

1

00:00:00,000 --> 00:00:03,600

Hey, don't try what you're about to see at home.

2

00:00:03,600 --> 00:00:05,600

We're what you call experts.

3

00:00:05,600 --> 00:00:07,600

That's right. We do this for a living.

4

00:00:07,600 --> 00:00:13,000

On this episode of MythBusters,

5

00:00:13,000 --> 00:00:14,600

I take your bullets!

6

00:00:14,600 --> 00:00:16,800

It's survival of the fittest.

7

00:00:16,800 --> 00:00:21,000

As we track down the myths you say got away.

8

00:00:21,000 --> 00:00:23,600

For myth evolution.

9

00:00:23,600 --> 00:00:27,600

Will an airbag explosion tear your thumbs clean off?

10

00:00:28,600 --> 00:00:30,600

Whoa!

11

00:00:30,600 --> 00:00:33,600

Is breathing from an underwater tire possible?

12

00:00:33,600 --> 00:00:35,600

Or just more Hollywood hot air?

13

00:00:35,600 --> 00:00:38,600

I can't believe that this is my job.

14

00:00:38,600 --> 00:00:43,600

Can an MRI scan cause an RFID implant to explode?

15

00:00:43,600 --> 00:00:47,600

Could the nimble ninja deflect bullets with their bare hands?

16

00:00:47,600 --> 00:00:49,600

We killed the ninja!

17

00:00:49,600 --> 00:00:53,600

And Adam and Jamie return to the fastest myth of all.

18

00:00:53,600 --> 00:00:56,600

Is there any way to beat the speed camera?

19

00:00:56,600 --> 00:01:00,600

Dude, that was like getting punched in the chest!

20

00:01:03,600 --> 00:01:05,600

Who are the MythBusters?

21

00:01:05,600 --> 00:01:07,600

Adam Savage.

22

00:01:07,600 --> 00:01:09,600

That was awesome!

23

00:01:09,600 --> 00:01:11,600

And Jamie Heinemann.

24

00:01:11,600 --> 00:01:14,600

Between them more than 30 years of special effects experience.

25

00:01:14,600 --> 00:01:16,600

Hi, it's my son.

26

00:01:16,600 --> 00:01:19,600

Joining them, Grant Imahara.

27

00:01:19,600 --> 00:01:21,600

Warning!

28

00:01:21,600 --> 00:01:23,600

We're getting dangerous now.

29

00:01:23,600 --> 00:01:25,600

And that's how we like it.

30

00:01:25,600 --> 00:01:27,600

And Carrie Byron.

31

00:01:27,600 --> 00:01:29,600

That is messed up!

32

00:01:29,600 --> 00:01:31,600

They don't just tell the myths.

33

00:01:31,600 --> 00:01:33,600

Wow, I can feel the pressure.

34

00:01:33,600 --> 00:01:35,600

They put them to the test.

35

00:01:51,600 --> 00:01:53,600

What part of the show is this?

36

00:01:53,600 --> 00:01:54,600

Talking.

37

00:01:54,600 --> 00:02:00,600

No, it's going back and trying myths again to make sure we've dialed in and gotten it right.

38

00:02:00,600 --> 00:02:02,600

So it's that time again?

39

00:02:02,600 --> 00:02:04,600

Absolutely. Myths revisited.

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00:02:04,600 --> 00:02:07,600

Except this time of the twist, myths evolution.

41

00:02:07,600 --> 00:02:09,600

Myths evolution?

42

00:02:09,600 --> 00:02:17,600

Yeah, every time we air a myth, the next morning I go onto the fan site and find all these myths that have to do with what we just did, except we didn't know about them at the time.

43

00:02:17,600 --> 00:02:20,600

So I want to do a whole episode of the myths that got away.

44

00:02:20,600 --> 00:02:22,600

Well, okay, what do we got?

45

00:02:22,600 --> 00:02:28,600

Well, we got more for ninjas, we've got underwater car, we've got baseball, airbags, and a cheeky speed camera revisit.

46

00:02:28,600 --> 00:02:30,600

Okay.

47

00:02:30,600 --> 00:02:38,600

That's right. Every time an episode goes to air, the mythbusters are soon bombarded with myths the fans think we missed.

48

00:02:38,600 --> 00:02:43,600

And for myth evolution, we're returning to some of the fans' favorite topics.

49

00:02:43,600 --> 00:02:46,600

To tackle the myths, we apparently forgot.

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00:02:46,600 --> 00:02:48,600

And first up...

51

00:02:51,600 --> 00:02:59,600

For the ninja special, the mythbusters put their stealth, speed, and cunning to the test for some shadow warrior myths.

52

00:02:59,600 --> 00:03:02,600

They tried walking on water.

53

00:03:02,600 --> 00:03:05,600

I don't know about you, but do you seem a little cumbersome to me?

54

00:03:05,600 --> 00:03:07,600

Smashing an arrow mid-flight.

55

00:03:07,600 --> 00:03:12,600

That tells me that at human speed, it's not fast enough to grab the arrow.

56

00:03:12,600 --> 00:03:14,600

And stopping a sword.

57

00:03:14,600 --> 00:03:16,600

He stopped it with his head.

58

00:03:16,600 --> 00:03:20,600

So for myth evolution, it's time to return to the dojo.

59

00:03:20,600 --> 00:03:22,600

Do you guys remember the ninja special?

60

00:03:22,600 --> 00:03:24,600

Yes!

61

00:03:24,600 --> 00:03:27,600

There was one myth the fans thought we forgot. It's about modern ninjas.

62

00:03:27,600 --> 00:03:28,600

Which one?

63

00:03:28,600 --> 00:03:35,600

Well, the myth is that a modern ninja has such awesome reflexes that they can swat away a speeding bullet with their bare hands.

64

00:03:35,600 --> 00:03:39,600

Now, it's not like the karate kid catching, you know, a fly with his chopsticks. It's more like...

65

00:03:39,600 --> 00:03:44,600

No way. Not even a ninja can beat a bullet.

66

00:03:44,600 --> 00:03:51,600

Well, the fans say that a modern ninja can swat away a 9mm bullet at 20 yards.

67

00:03:51,600 --> 00:03:54,600

Well, if the fans believe it, we need to test it.

68

00:03:54,600 --> 00:03:55,600

Alright.

69

00:03:55,600 --> 00:03:59,600

Is a ninja really faster than a speeding bullet?

70

00:03:59,600 --> 00:04:07,600

In this myth, the shadow warrior uses his bare hand to slap a bullet out of its deadly trajectory without injury.

71

00:04:07,600 --> 00:04:13,600

But is this possible? Or is it just another example of ninja misinformation?

72

00:04:13,600 --> 00:04:20,600

You know, I seem to remember that Adam and Jamie proved that it was impossible to catch an arrow traveling at 170 miles an hour.

73

00:04:20,600 --> 00:04:25,600

A bullet is going to be much faster than that. I just don't see how anyone can slap it with their bare hands.

74

00:04:25,600 --> 00:04:28,600

Not to mention how dangerous this myth is going to be to test.

75

00:04:28,600 --> 00:04:31,600

Well, we could do what we always do. Start out by building a robot.

76

00:04:31,600 --> 00:04:33,600

What is it with you and these robots?

77

00:04:33,600 --> 00:04:37,600

Or we could find a way for one of us to do it without getting hurt.

78

00:04:37,600 --> 00:04:40,600

What do you propose? Full metal jacket? Give it a shot?

79

00:04:40,600 --> 00:04:43,600

I think we should start out by shooting paintballs at Tori.

80

00:04:43,600 --> 00:04:44,600

I call the gun.

81

00:04:44,600 --> 00:04:46,600

That's going to suck.

82

00:04:46,600 --> 00:04:49,600

Well, that's definitely safer than ballistics.

83

00:04:49,600 --> 00:04:55,600

So before they bring out the big guns, they'll test if a deflection is even possible with paintballs.

84

00:04:55,600 --> 00:04:59,600

And, unluckily for Tori, Carrie has a score to settle.

85

00:04:59,600 --> 00:05:02,600

This is not the first time we have shot paintballs at each other.

86

00:05:02,600 --> 00:05:08,600

Last time, I was the recipient of those bullets. This time, I think I need a little payback.

87

00:05:08,600 --> 00:05:15,600

But before Tori takes one or two for the team, Grant wants to find out the muzzle velocity of a paintball.

88

00:05:15,600 --> 00:05:18,600

Nice! There you go.

89

00:05:18,600 --> 00:05:20,600

Alright, it's 192 feet per second.

90

00:05:20,600 --> 00:05:25,600

Yeah, the slowest 9mm load they have is 1,250 feet per second.

91

00:05:25,600 --> 00:05:30,600

So a paintball is traveling at less than one-fifth the velocity of a speeding bullet.

92

00:05:30,600 --> 00:05:35,600

Well, that's good news for Tori, because he has less than one-fifth the ability of a ninja.

93

00:05:36,600 --> 00:05:38,600

Come on, hit me!

94

00:05:39,600 --> 00:05:43,600

But almost immediately, it's obvious that Tori is no ninja.

95

00:05:43,600 --> 00:05:46,600

If these were real bullets, he'd be dead.

96

00:05:51,600 --> 00:05:54,600

That's not for science, is it? That's just for you.

97

00:05:54,600 --> 00:05:56,600

I take your bullets!

98

00:05:56,600 --> 00:05:58,600

Okay, go. Got it!

99

00:05:58,600 --> 00:06:03,600

After a barrage of paintballs, Tori finally manages to deflect one.

100

00:06:03,600 --> 00:06:07,600

Blinken, you'll miss it. Luckily, there's the high speed.

101

00:06:07,600 --> 00:06:14,600

Tori hits the paintball with the heel of his hand, slapping it away from his body, and his hand is injury-free.

102

00:06:14,600 --> 00:06:18,600

Yeah! I got it!

103

00:06:18,600 --> 00:06:20,600

Now we can stop!

104

00:06:20,600 --> 00:06:21,600

You did get it.

105

00:06:21,600 --> 00:06:27,600

Tori's battered and bruised, but he's proven that a regular person can deflect a paintball.

106

00:06:27,600 --> 00:06:32,600

So maybe the fans are right, and super-sharp ninja can deflect a 9mm.

107

00:06:32,600 --> 00:06:34,600

Okay, well, I think it's time to do this for real.

108

00:06:34,600 --> 00:06:39,600

We set up the robot, take this to the firing range, and see what we get.

109

00:06:39,600 --> 00:06:45,600

With a real ninja unavailable, Grant goes for the next best thing. A robot.

110

00:06:45,600 --> 00:06:48,600

So our ninja sword-catching rig has done its duty.

111

00:06:48,600 --> 00:06:57,600

So we're going to take the clapping rig, take off some of the actuators, and switch it over so it can now deflect bullets.

112

00:06:57,600 --> 00:07:01,600

While Grant retools his robot, Carrie gets hands-on.

113

00:07:01,600 --> 00:07:07,600

For our bullet-deflecting rig, we're going to need some flat hands so that we can slap the bullets away in ninja style.

114

00:07:07,600 --> 00:07:12,600

Luckily, I've already made some molds with flat hands for the catching of the sword rig.

115

00:07:12,600 --> 00:07:16,600

Now, just had to pour up another set, and we can adjust our machine accordingly.

116

00:07:16,600 --> 00:07:22,600

Many hands make light work, and the so-called SWAT bot is up and slapping in no time.

117

00:07:22,600 --> 00:07:27,600

Carrie calibrates it to human speed, and Grant gets trigger-happy.

118

00:07:27,600 --> 00:07:35,600

So, first step is to take the rest, fix it to my little base, and I'm going to line up the pneumatic cylinder,

119

00:07:35,600 --> 00:07:43,600

and make sure that that's actually able to fire the trigger, hook that up to a valve, get an air tank, and then we're ready to fire.

120

00:07:43,600 --> 00:07:49,600

For this myth, it'll be bot against bullet, assassin versus ammunition.

121

00:07:49,600 --> 00:07:52,600

And with everything ready, it's off to the range.

122

00:07:52,600 --> 00:07:56,600

We're set up for the whole ninja myth, can you swat a bullet with your hand?

123

00:07:56,600 --> 00:08:00,600

We have our gun 20 yards down the range, set up on a trigger.

124

00:08:00,600 --> 00:08:06,600

We hit that trigger there, that'll set off this timer, which will actuate our arm and bring the arm down towards the bullet.

125

00:08:06,600 --> 00:08:11,600

This way we'll be able to see if you can, in fact, swat a bullet with your hand.

126

00:08:11,600 --> 00:08:17,600

Alright, test number one, 20 yards away, slowest 9mm round we can find, ninja at human speed.

127

00:08:17,600 --> 00:08:18,600

With zero delay.

128

00:08:18,600 --> 00:08:21,600

In three, two, one.

129

00:08:21,600 --> 00:08:24,600

That was so far behind.

130

00:08:24,600 --> 00:08:26,600

That was really slow.

131

00:08:26,600 --> 00:08:29,600

The swat bot missed the bullet, so the team resets.

132

00:08:29,600 --> 00:08:33,600

And that's when things go off target.

133

00:08:33,600 --> 00:08:40,600

Every time they take a shot, the gun fires in a different place.

134

00:08:40,600 --> 00:08:44,600

The hardest thing that we've had to face today is the fact that our gun seems to be moving.

135

00:08:44,600 --> 00:08:47,600

We can't fire in the same place twice.

136

00:08:47,600 --> 00:08:52,600

So we're going to take all of our problems home with us, come back tomorrow, everything will be perfect.

137

00:08:52,600 --> 00:08:56,600

Later, the boys go bad to beat the speed camera.

138

00:08:56,600 --> 00:09:00,600

But first, action man Adam takes the plunge.

139

00:09:00,600 --> 00:09:03,600

I can't believe that this is my job.

140

00:09:11,600 --> 00:09:17,600

Now a little while back, Adam went all rockstar on us and drove a car into a pool.

141

00:09:18,600 --> 00:09:23,600

The Mythbusters tested a bunch of techniques for escaping a suddenly submerged vehicle.

142

00:09:23,600 --> 00:09:24,600

From door barging.

143

00:09:24,600 --> 00:09:25,600

That's intense.

144

00:09:25,600 --> 00:09:27,600

No matter how you slice it.

145

00:09:27,600 --> 00:09:30,600

To finding that window of opportunity.

146

00:09:30,600 --> 00:09:37,600

So for myth evolution, we're returning to the pool for another underwater escape.

147

00:09:37,600 --> 00:09:39,600

Straight from the movies.

148

00:09:48,600 --> 00:09:51,600

What did we get wrong on underwater car?

149

00:09:51,600 --> 00:09:53,600

For once, nothing at all.

150

00:09:53,600 --> 00:09:56,600

It's just something I saw in the movies that I wanted to go back and try.

151

00:09:56,600 --> 00:09:59,600

What I've seen is our hero goes over the bridge and into the water.

152

00:09:59,600 --> 00:10:03,600

And the bad guys are at the surface waiting to shoot him when he comes up.

153

00:10:03,600 --> 00:10:11,600

Knowing this, while underwater he swims over to the tire and breathes from it long enough for the bad guys to be sure that he's dead and go away.

154

00:10:11,600 --> 00:10:12,600

Huh.

155

00:10:12,600 --> 00:10:13,600

Picture the scene.

156

00:10:13,600 --> 00:10:16,600

Our hero's been hotly pursued by gun-toting baddies.

157

00:10:17,600 --> 00:10:19,600

His car winds up in the drink.

158

00:10:19,600 --> 00:10:29,600

Knowing that the bad guys are waiting at the surface, our resourceful star opens a tire valve and breathes the air until the bad guys pack up and leave.

159

00:10:29,600 --> 00:10:33,600

But is this just Hollywood hot air or can it be dust?

160

00:10:33,600 --> 00:10:39,600

And for Adam to put his action hero ambitions to the test, it's back to the Campolindo High School Pool.

161

00:10:39,600 --> 00:10:43,600

While the team sets up, Adam runs through the game plan.

162

00:10:43,600 --> 00:10:56,600

If I can stay down for at least two minutes, hopefully my goal is two and a half minutes, then we know that I have achieved exactly in real life what you've seen the action heroes do in the movies.

163

00:10:56,600 --> 00:11:01,600

While Adam's playing stuntman, Jamie's in charge of safety yet again.

164

00:11:01,600 --> 00:11:07,600

My role in this is going to be to simply sit in the car and make sure that Adam's safe until he gets out of the car.

165

00:11:07,600 --> 00:11:12,600

At which point the other safety divers will take over and make sure that nothing happens to Adam.

166

00:11:12,600 --> 00:11:19,600

Jamie puts on the second skin his people have worn for centuries to fight off the desert people.

167

00:11:19,600 --> 00:11:26,600

With Jamie suited up, everything's ready for Adam's action hero heroics.

168

00:11:26,600 --> 00:11:29,600

Here we go, we're going up.

169

00:11:29,600 --> 00:11:32,600

Adam cites himself up to take the plunge.

170

00:11:32,600 --> 00:11:35,600

Once under, he must remain calm and composed.

171

00:11:35,600 --> 00:11:39,600

I can't believe that this is my job.

172

00:11:39,600 --> 00:11:44,600

On Jess's signal, the crane lowers and wheels touch water.

173

00:11:44,600 --> 00:11:47,600

Okay, we're going down.

174

00:11:47,600 --> 00:11:50,600

There's that familiar sound.

175

00:11:50,600 --> 00:11:56,600

As the car sinks, Adam gulps one last lung full and he's under.

176

00:11:56,600 --> 00:11:59,600

He stays zen as the car settles.

177

00:11:59,600 --> 00:12:04,600

Soon the pressure equalizes and Adam hops out, so far so good.

178

00:12:04,600 --> 00:12:06,600

And now comes the tricky part.

179

00:12:06,600 --> 00:12:11,600

Can Adam breathe from the tire to stay under until the baddies have left?

180

00:12:11,600 --> 00:12:20,600

Adam gulps the bubbles as they rush past his face, but he's in over his head and soon grasping for the emergency air.

181

00:12:20,600 --> 00:12:22,600

I didn't do it.

182

00:12:22,600 --> 00:12:29,600

When I caught some water on that first breath, I tried it again and at that point I just didn't feel like I was going to get anything,

183

00:12:29,600 --> 00:12:32,600

so I went through the safety diver and his oxygen.

184

00:12:32,600 --> 00:12:36,600

The air is not the problem, it's the water that goes along with it.

185

00:12:36,600 --> 00:12:39,600

So how do you actually sift that out without choking?

186

00:12:39,600 --> 00:12:45,600

Now, if you've got a choice of either making do with that air or die from somebody shooting you on the surface,

187

00:12:45,600 --> 00:12:50,600

you might figure something out, I'm not sure, but so far it looks kind of dodgy to me.

188

00:12:50,600 --> 00:12:56,600

Maybe, but the mythbusters have never let kind of dodgy sink their schemes.

189

00:12:56,600 --> 00:13:01,600

Before we call this one totally busted, although it seems pretty unlikely to me,

190

00:13:01,600 --> 00:13:03,600

I'd like to give it one more try.

191

00:13:03,600 --> 00:13:05,600

And who are we to deny you Adam?

192

00:13:05,600 --> 00:13:08,600

The Soddan Sedans raised for another dunking.

193

00:13:08,600 --> 00:13:11,600

This time Adam's going to stab the tire with a knife.

194

00:13:11,600 --> 00:13:16,600

Why that's going to do any better than the Schrader valve that's built into it, I'm not sure,

195

00:13:16,600 --> 00:13:19,600

but we have to try all our options.

196

00:13:19,600 --> 00:13:20,600

Here we go again.

197

00:13:20,600 --> 00:13:25,600

Adam's going under once more and this time he's armed.

198

00:13:25,600 --> 00:13:32,600

By the time Adam punches the tire with his pocket knife, he's been holding his breath for more than a minute forty.

199

00:13:32,600 --> 00:13:35,600

This time air surges from the slash.

200

00:13:35,600 --> 00:13:42,600

Adam tries several times to inhale, even turning down the emergency air for one last gasp attempt.

201

00:13:42,600 --> 00:13:44,600

I was calm as a cucumber man.

202

00:13:44,600 --> 00:13:50,600

I had plenty of time, stabbed the tire, got plenty of air coming out, breathing out of that.

203

00:13:50,600 --> 00:13:52,600

It's just really difficult.

204

00:13:52,600 --> 00:13:56,600

I could get a little, you know, not a lip lock, but I could get air coming in.

205

00:13:56,600 --> 00:14:00,600

When I just kept on getting water, there was no way I wasn't getting water in there.

206

00:14:00,600 --> 00:14:03,600

Given that I couldn't take a really deep breath.

207

00:14:03,600 --> 00:14:05,600

And these were ideal conditions.

208

00:14:05,600 --> 00:14:11,600

If this happened in real life, your car would most likely be at the bottom of a river or a lake,

209

00:14:11,600 --> 00:14:13,600

not a crystal clear swimming pool.

210

00:14:13,600 --> 00:14:18,600

It's going to be dark, the visibility is going to be crap, the car might be upside down,

211

00:14:18,600 --> 00:14:21,600

your heart's going to be pounding, you're going to have a bloody face.

212

00:14:21,600 --> 00:14:23,600

We got to call this one busted.

213

00:14:23,600 --> 00:14:25,600

Yeah, it's myth busted.

214

00:14:28,600 --> 00:14:31,600

After the break, Buster hits the hot seat.

215

00:14:31,600 --> 00:14:34,600

He punched himself in the face.

216

00:14:45,600 --> 00:14:50,600

Recently for lockpick of death, the team went all grand theft auto.

217

00:14:50,600 --> 00:14:52,600

Breaking into cars for science.

218

00:14:52,600 --> 00:14:53,600

You getting frustrated?

219

00:14:53,600 --> 00:14:54,600

Frustration.

220

00:14:54,600 --> 00:14:55,600

Yeah.

221

00:14:55,600 --> 00:15:00,600

They busted the myth that an airbag detonation could launch a lockpick deep into your skull.

222

00:15:00,600 --> 00:15:02,600

Oh, that is it.

223

00:15:02,600 --> 00:15:04,600

It's a very big flood.

224

00:15:04,600 --> 00:15:09,600

And once that one went to air, the fan site exploded with another airbag myth.

225

00:15:09,600 --> 00:15:12,600

So for myth evolution, here it is.

226

00:15:12,600 --> 00:15:16,600

When you guys were in driving school, did you learn the 10 and 2 position?

227

00:15:16,600 --> 00:15:19,600

Yeah, so hands on the steering wheel, 10 o'clock, 2 o'clock.

228

00:15:19,600 --> 00:15:20,600

Yeah.

229

00:15:20,600 --> 00:15:21,600

I thought that was just regulation.

230

00:15:21,600 --> 00:15:24,600

Apparently they don't even teach it anymore.

231

00:15:24,600 --> 00:15:25,600

Why not?

232

00:15:25,600 --> 00:15:29,600

Well, the myth is, it's because that position puts your thumbs in peril.

233

00:15:29,600 --> 00:15:32,600

If an airbag deploys, it can blow your thumbs clean off.

234

00:15:32,600 --> 00:15:35,600

Sweet, that sounds dangerous.

235

00:15:36,600 --> 00:15:38,600

It seems like kid stuff.

236

00:15:38,600 --> 00:15:41,600

10 and 2 is the steering position we've all been taught.

237

00:15:41,600 --> 00:15:47,600

However, with the advent of airbags, driving instructors say it puts your thumbs in peril.

238

00:15:47,600 --> 00:15:50,600

So is this a bum steer?

239

00:15:50,600 --> 00:15:53,600

Or could an airbag explosion really take your thumbs with it?

240

00:15:53,600 --> 00:15:55,600

Sounds like a blast.

241

00:15:55,600 --> 00:16:00,600

They're going to put Buster in the driver's seat, give him flexible arms with the listics gel hands,

242

00:16:00,600 --> 00:16:05,600

and fit the steering wheel with an airbag that the team can automatically trigger.

243

00:16:05,600 --> 00:16:10,600

So while Carrie gets to grips with the rig, Tari gives Buster a hand.

244

00:16:10,600 --> 00:16:14,600

With this whole myth, we're testing to see if the airbags go off and your thumbs are in front of it.

245

00:16:14,600 --> 00:16:16,600

Will they break your thumbs?

246

00:16:16,600 --> 00:16:20,600

If we just use the ballistics material, it's just rubber, it's going to bend back.

247

00:16:20,600 --> 00:16:26,600

So what we need to do is put the fake bones inside there to see if, in fact, they will break your bones.

248

00:16:26,600 --> 00:16:30,600

That way, there can be no bone of contention.

249

00:16:30,600 --> 00:16:33,600

The earth aim bones are now in position inside the hand mold.

250

00:16:33,600 --> 00:16:35,600

So what I'm going to do is let that finish setting up,

251

00:16:35,600 --> 00:16:38,600

and then I'm going to pour in the ballistics material to surround the bones.

252

00:16:38,600 --> 00:16:43,600

While the hands get set, Tari gets stuck into casting his arms for Buster.

253

00:16:46,600 --> 00:16:49,600

I'm just getting concerned that I can't get these off.

254

00:16:49,600 --> 00:16:51,600

Wouldn't it be funny if you broke your arm trying to get a cast off?

255

00:16:51,600 --> 00:16:52,600

No.

256

00:16:52,600 --> 00:16:54,600

Yeah, that would be ironic.

257

00:16:54,600 --> 00:17:01,600

All that's left to do is add the hands, screw the arms onto Buster, and he'll be ready to hit the road.

258

00:17:01,600 --> 00:17:03,600

Well, almost.

259

00:17:03,600 --> 00:17:06,600

The final thing is to, well, set off the airbags.

260

00:17:06,600 --> 00:17:13,600

But before we get to doing that, I'm going to run some extension wires all the way out to behind the blast shield.

261

00:17:13,600 --> 00:17:19,600

The reason is that the airbags are explosive, so we don't want to be anywhere near here when we set them on.

262

00:17:19,600 --> 00:17:21,600

The hands are in place.

263

00:17:21,600 --> 00:17:26,600

The rig is primed, and it's time for some myth evolution airbag action.

264

00:17:26,600 --> 00:17:29,600

Are you sure you got the two right wires hooked up?

265

00:17:29,600 --> 00:17:35,600

Well, either it's going to set off the airbag, or it's going to signal a left turn.

266

00:17:35,600 --> 00:17:38,600

Either way, it should be exciting.

267

00:17:38,600 --> 00:17:40,600

Here we go.

268

00:17:40,600 --> 00:17:43,600

Three, two, one.

269

00:17:43,600 --> 00:17:46,600

Whoa!

270

00:17:46,600 --> 00:17:49,600

Blew the hands right off the wheel.

271

00:17:49,600 --> 00:17:53,600

It sure did, but did it blow the thumbs off the hands?

272

00:17:53,600 --> 00:17:55,600

The thumbs are still on, though.

273

00:17:55,600 --> 00:17:56,600

Check that one.

274

00:17:56,600 --> 00:17:57,600

Yeah.

275

00:17:57,600 --> 00:18:00,600

Yeah, that's still connected.

276

00:18:00,600 --> 00:18:04,600

The arm got torn off, but it looked like the airbag deployed like this and then pushed the arms out,

277

00:18:04,600 --> 00:18:06,600

but the thumbs were not in harm's way.

278

00:18:06,600 --> 00:18:08,600

They just let go.

279

00:18:08,600 --> 00:18:13,600

Well, you know, these thumbs are tucked under, and I know sometimes I drive like this,

280

00:18:13,600 --> 00:18:17,600

so maybe we should make a mold of this position.

281

00:18:17,600 --> 00:18:24,600

Alright, and that way at least we'll have the thumbs in, hopefully close to the path where the airbag's going to shoot out.

282

00:18:24,600 --> 00:18:31,600

Maybe if the thumbs stick out like a, well, like a sore thumb, they'll have a better shot of this myth.

283

00:18:31,600 --> 00:18:32,600

Here we go.

284

00:18:32,600 --> 00:18:35,600

In three, two, one.

285

00:18:35,600 --> 00:18:37,600

Whoa!

286

00:18:37,600 --> 00:18:39,600

What was that?

287

00:18:39,600 --> 00:18:41,600

That looked pretty violent.

288

00:18:41,600 --> 00:18:45,600

Pretty violent indeed, but did the thumbs hitch a ride with the airbag?

289

00:18:45,600 --> 00:18:46,600

The thumbs are still on.

290

00:18:46,600 --> 00:18:48,600

Yeah, they're not ripped off.

291

00:18:48,600 --> 00:18:52,600

I looked at the high speed and it's clear the thumbs were going nowhere.

292

00:18:52,600 --> 00:18:57,600

He's kind of pushed his arms off, though, but it's not ripping any thumbs off.

293

00:18:57,600 --> 00:19:04,600

So far, no thumb busting, but the team isn't giving this myth the thumbs down just yet.

294

00:19:06,600 --> 00:19:13,600

This may be myth evolution, but we've got one cheeky revisit, so here it is.

295

00:19:13,600 --> 00:19:17,600

Personally, I am glad to be doing speed camera again.

296

00:19:17,600 --> 00:19:18,600

Why?

297

00:19:18,600 --> 00:19:23,600

Well, last time I got to drive a \$280,000 sports car at 120 miles an hour.

298

00:19:23,600 --> 00:19:26,600

Dude, I will take any excuse to do that again.

299

00:19:26,600 --> 00:19:28,600

Oh, hold your horsepower there, buddy.

300

00:19:28,600 --> 00:19:31,600

The fans had huge problems with how we tested the speed camera.

301

00:19:31,600 --> 00:19:32,600

Okay, sorry.

302

00:19:32,600 --> 00:19:33,600

What were their problems?

303

00:19:33,600 --> 00:19:35,600

Speed and the camera.

304

00:19:37,600 --> 00:19:42,600

Previously, the team tried a whole raft of crafty ways to beat the speed camera.

305

00:19:42,600 --> 00:19:45,600

They put plate blockers to the test.

306

00:19:45,600 --> 00:19:50,600

Kling wrap, hairspray, and the commercial products just couldn't disguise the plane.

307

00:19:50,600 --> 00:19:53,600

They blockers zip speed camera four.

308

00:19:53,600 --> 00:19:55,600

And the team didn't stop there.

309

00:19:55,600 --> 00:19:58,600

They tried beating the camera with pure speed.

310

00:19:58,600 --> 00:20:02,600

There's no way you can beat the speed camera, no matter how fast you're going.

311

00:20:02,600 --> 00:20:06,600

However, the fans think they got it completely wrong.

312

00:20:06,600 --> 00:20:10,600

And to get this revisit on the road, they're heading back to the track.

313

00:20:10,600 --> 00:20:12,600

How's it going, Adam? Good to see you again.

314

00:20:12,600 --> 00:20:17,600

And speed camera expert Adam Tutan is here to keep an eye on the ticket tally.

315

00:20:17,600 --> 00:20:23,600

I guess we have some fan dissatisfaction with the previous speed camera test.

316

00:20:23,600 --> 00:20:29,600

The fans say that we made so many mistakes that we had to make a list to tackle them one by one.

317

00:20:29,600 --> 00:20:33,600

And at the top of the list of complaints was the tripod.

318

00:20:34,600 --> 00:20:38,600

Hey, Adam. So this rig is one of the things that fans had a real problem with.

319

00:20:38,600 --> 00:20:42,600

They rode in and said that these things aren't mounted on tripods in the field.

320

00:20:42,600 --> 00:20:43,600

Well, they're wrong and they're right.

321

00:20:43,600 --> 00:20:46,600

There are tripods, there are pole mounted units, and vehicle mounted units.

322

00:20:46,600 --> 00:20:51,600

Now, one of the other things they had a problem with was they thought that the camera we were using

323

00:20:51,600 --> 00:20:55,600

was a much higher quality or higher resolution than the cameras that are used in the field.

324

00:20:55,600 --> 00:20:58,600

That's not so. We use the same camera regardless of the application.

325

00:20:59,600 --> 00:21:03,600

But what about the height of the camera for the plate blockers?

326

00:21:03,600 --> 00:21:10,600

So the third thing the fans had a problem with was they said our camera was mounted too low for the plate blockers to work effectively.

327

00:21:10,600 --> 00:21:14,600

Whether you mounted at five or ten feet, it's not going to have any effect.

328

00:21:14,600 --> 00:21:19,600

The speed camera is a full ten feet off the ground, just like a pole mounted camera.

329

00:21:19,600 --> 00:21:25,600

I know this looks like I'm sitting in a boom lift, but in fact, this is a pole mounted speed camera.

330

00:21:25,600 --> 00:21:32,600

This is our answer to the fans who said that we screwed it up last time, that a camera five feet off the ground wasn't regulation.

331

00:21:32,600 --> 00:21:33,600

It was.

332

00:21:33,600 --> 00:21:35,600

It looks just like the real thing.

333

00:21:35,600 --> 00:21:38,600

Imagine the boom lift isn't there.

334

00:21:38,600 --> 00:21:40,600

So, what's up first?

335

00:21:40,600 --> 00:21:43,600

Well, I guess I'll go ahead and put the magnifying plate on.

336

00:21:43,600 --> 00:21:44,600

All right.

337

00:21:44,600 --> 00:21:45,600

Wait a second.

338

00:21:45,600 --> 00:21:47,600

Yeah, I see what you're about to say.

339

00:21:47,600 --> 00:21:49,600

If I come down here, I can see it.

340

00:21:49,600 --> 00:21:51,600

Yeah, from here it's perfect.

341

00:21:51,600 --> 00:21:53,600

Well, maybe the fans are onto something.

342

00:21:53,600 --> 00:21:58,600

I mean, it does make it worse if you're looking at it at an angle.

343

00:21:58,600 --> 00:22:01,600

Well, there's only one way to find out.

344

00:22:01,600 --> 00:22:02,600

Right.

345

00:22:02,600 --> 00:22:03,600

Here's your motivation.

346

00:22:03,600 --> 00:22:12,600

You've just robbed a bank and you've ought to get away so you put a plate blocker on your license plate so you'll get away, escape all the cameras.

347

00:22:12,600 --> 00:22:13,600

Are you ready?

348

00:22:13,600 --> 00:22:14,600

I'm ready.

349

00:22:14,600 --> 00:22:15,600

Go for it.

350

00:22:15,600 --> 00:22:20,600

Jamie makes his getaway and the Adams family prepare for test number one.

351

00:22:20,600 --> 00:22:22,600

All right, Adam, are you ready for the first test?

352

00:22:22,600 --> 00:22:23,600

We're ready to roll.

353

00:22:23,600 --> 00:22:24,600

Excellent.

354

00:22:24,600 --> 00:22:35,600

Jamie puts the pedal to the metal, but did the speed cameras higher vantage point make it harder to decipher the license plate?

355

00:22:35,600 --> 00:22:36,600

So, Adam, what's the verdict?

356

00:22:36,600 --> 00:22:37,600

Ticket.

357

00:22:37,600 --> 00:22:38,600

Same as last time.

358

00:22:38,600 --> 00:22:39,600

Really?

359

00:22:39,600 --> 00:22:40,600

Yep.

360

00:22:40,600 --> 00:22:41,600

Can you see all the letters?

361

00:22:41,600 --> 00:22:43,600

You can see all and partial of the last.

362

00:22:43,600 --> 00:22:44,600

Half of the last one.

363

00:22:44,600 --> 00:22:46,600

Well, they're definitely still going to find you, and that's a ticket.

364

00:22:46,600 --> 00:22:47,600

I think so.

365

00:22:47,600 --> 00:22:49,600

Let's move on to the next one.

366

00:22:49,600 --> 00:22:51,600

There's no doubt about it.

367

00:22:51,600 --> 00:22:53,600

Jamie's got a ticket.

368

00:22:53,600 --> 00:22:59,600

Even with the camera at 10 feet as the fans demanded, the magnifying plate is still busted.

369

00:22:59,600 --> 00:23:03,600

Well, I hope that's the last we see of this one.

370

00:23:03,600 --> 00:23:05,600

And next, glitter plate.

371

00:23:05,600 --> 00:23:08,600

It's not just a disco my ride accessory.

372

00:23:08,600 --> 00:23:14,600

Apparently, the tiny particles in the plate reflect the camera flash, obscuring the license details.

373

00:23:14,600 --> 00:23:19,600

But according to the fans, it only works if the speed camera is pole mounted.

374

00:23:19,600 --> 00:23:22,600

Jamie, we are good to go for the glitter plate.

375

00:23:22,600 --> 00:23:23,600

On your mark, over.

376

00:23:27,600 --> 00:23:31,600

The glitter plate brings a new meaning to drag racing.

377

00:23:31,600 --> 00:23:34,600

And sure enough, the speed camera triggers.

378

00:23:34,600 --> 00:23:36,600

All right, so what's the verdict on the glitter plate?

379

00:23:36,600 --> 00:23:37,600

Ticket.

380

00:23:37,600 --> 00:23:38,600

A ticket?

381

00:23:38,600 --> 00:23:39,600

You're kidding.

382

00:23:39,600 --> 00:23:40,600

That's shocking.

383

00:23:40,600 --> 00:23:41,600

This is earth-shattering news.

384

00:23:41,600 --> 00:23:44,600

Well, Jamie, the glitter plate is a ticket, so come on back.

385

00:23:44,600 --> 00:23:47,600

We've got one more consumer-level thing to try over.

386

00:23:47,600 --> 00:23:49,600

That's two for two.

387

00:23:49,600 --> 00:23:53,600

So far, pole mounting the camera has made no difference to the plate blockers.

388

00:23:53,600 --> 00:23:55,600

All right, next step.

389

00:23:55,600 --> 00:23:57,600

Remember the commercial spray?

390

00:23:57,600 --> 00:23:58,600

Didn't work.

391

00:23:58,600 --> 00:23:59,600

We're going to try it again.

392

00:24:00,600 --> 00:24:01,600

Spray.

393

00:24:02,600 --> 00:24:09,600

According to the instructions, just one application of the commercial spray, and you can go incognito.

394

00:24:10,600 --> 00:24:13,600

Jamie, we are good for the commercial spray speed test.

395

00:24:13,600 --> 00:24:15,600

Bring it on when you want.

396

00:24:15,600 --> 00:24:21,600

Jamie zooms past the speed camera, but has the spray concealed his identity?

397

00:24:21,600 --> 00:24:22,600

Adam, what's the verdict?

398

00:24:22,600 --> 00:24:23,600

He's shooting blanks.

399

00:24:23,600 --> 00:24:24,600

Ticket.

400

00:24:24,600 --> 00:24:25,600

No!

401

00:24:25,600 --> 00:24:29,600

And once again, the plate is picture perfect.

402

00:24:29,600 --> 00:24:30,600

How'd we do it?

403

00:24:30,600 --> 00:24:31,600

That was pretty definitive.

404

00:24:31,600 --> 00:24:35,600

All three of our commercial products failed completely the second time in a row.

405

00:24:35,600 --> 00:24:38,600

There was no difference between the camera mounted at five feet and the camera mounted at ten feet.

406

00:24:39,600 --> 00:24:44,600

Second time around, even with the pole mounted speed camera, the results are the same.

407

00:24:44,600 --> 00:24:49,600

Plate blockers are still busted, but we're not done with the speed camera just yet.

408

00:24:49,600 --> 00:24:53,600

The guys have a secret weapon up their sleeves.

409

00:24:53,600 --> 00:24:56,600

Soon, can a ninja defeat a nine millimeter?

410

00:25:04,600 --> 00:25:07,600

Hey, don't try what you're about to see at home.

411

00:25:07,600 --> 00:25:09,600

We're what you call experts.

412

00:25:09,600 --> 00:25:10,600

That's right.

413

00:25:10,600 --> 00:25:11,600

We do this for a living.

414

00:25:38,600 --> 00:25:40,600

So how's this myth evolving?

415

00:25:40,600 --> 00:25:44,600

Well, the fans think that tattoos aren't the only things that will explode in the MRI.

416

00:25:44,600 --> 00:25:45,600

What else?

417

00:25:45,600 --> 00:25:46,600

The ARFID implants.

418

00:25:46,600 --> 00:25:49,600

Oh, radio frequency identification devices.

419

00:25:49,600 --> 00:25:51,600

Like they put my dog when I took him to the vet.

420

00:25:51,600 --> 00:25:53,600

Yeah, but they're now starting to put him into people.

421

00:25:53,600 --> 00:25:54,600

Seriously?

422

00:25:54,600 --> 00:25:58,600

Yeah, they're talking about in the future putting him in soldiers as like digital dog tags.

423

00:25:58,600 --> 00:26:02,600

But right now the FDA is approving to put him into patients for medical records.

424

00:26:02,600 --> 00:26:03,600

Actually, that makes sense.

425

00:26:03,600 --> 00:26:07,600

I mean, let's say someone's unconscious and they get into the emergency room.

426

00:26:07,600 --> 00:26:11,600

You could just scan them and find out their blood type or if they have any allergies.

427

00:26:11,600 --> 00:26:12,600

Exactly.

428

00:26:12,600 --> 00:26:15,600

So our fans think that they explode in the MRI.

429

00:26:15,600 --> 00:26:18,600

Well, unlike the tattoos, there's metal in the ARFIDs.

430

00:26:18,600 --> 00:26:21,600

So there is a possibility that it could get pulled out or even explode.

431

00:26:21,600 --> 00:26:22,600

Cool.

432

00:26:22,600 --> 00:26:23,600

Cool.

433

00:26:23,600 --> 00:26:24,600

Yeah.

434

00:26:27,600 --> 00:26:31,600

So before the team implant an RFID tag into a non-lucky volunteer

435

00:26:31,600 --> 00:26:35,600

and scan them with an MRI to see if the implant explodes,

436

00:26:35,600 --> 00:26:41,600

let's find out more about this new and booming technology from expert Ron Godovic.

437

00:26:41,600 --> 00:26:47,600

Radio frequency ID is a technology that uses a reader that sends out a signal to a tag

438

00:26:47,600 --> 00:26:53,600

and that tag actually reacts to that reader and sends back information about whatever the tag is on.

439

00:26:53,600 --> 00:26:58,600

So an object or a myth buster that you want to identify is stuck with an RFID tag,

440

00:26:58,600 --> 00:27:02,600

which contains a microchip and antenna.

441

00:27:02,600 --> 00:27:10,600

Then using radio waves, a reader can remotely detect and retrieve the information on the chip.

442

00:27:10,600 --> 00:27:13,600

People are having these implanted in them?

443

00:27:13,600 --> 00:27:17,600

Well, there has been several case studies now where there's a few hundred people out there

444

00:27:17,600 --> 00:27:26,600

who have had RFIDs implanted in them that will allow medical professionals to read information on their health.

445

00:27:26,600 --> 00:27:29,600

Q. Tori Bellaci, MD.

446

00:27:29,600 --> 00:27:31,600

Can you prepare a patient?

447

00:27:31,600 --> 00:27:34,600

And his able assistant, nurse Imahara.

448

00:27:34,600 --> 00:27:35,600

Marking pen.

449

00:27:35,600 --> 00:27:36,600

Marking pen.

450

00:27:36,600 --> 00:27:37,600

Iodine swab.

451

00:27:37,600 --> 00:27:38,600

Iodine swab.

452

00:27:38,600 --> 00:27:39,600

Syringe.

453

00:27:39,600 --> 00:27:40,600

Syringe.

454

00:27:40,600 --> 00:27:43,600

The RFID tag to be inserted in Porkey, the unfortunate pig.

455

00:27:43,600 --> 00:27:45,600

So now what we're going to do is we're going to insert the chip.

456

00:27:45,600 --> 00:27:50,600

Comes from Verichip, a company on the cutting edge of these human implants.

457

00:27:50,600 --> 00:27:52,600

Searching for chip.

458

00:27:52,600 --> 00:27:53,600

And we got it.

459

00:27:53,600 --> 00:27:54,600

Hey, we found it.

460

00:27:54,600 --> 00:27:58,600

You know, this is my first surgery ever and I feel like it went pretty well.

461

00:27:58,600 --> 00:28:00,600

I didn't even go to med school either.

462

00:28:00,600 --> 00:28:05,600

All we have to do now is take it to the MRI and see if this thing explodes or gets ripped out of the skin.

463

00:28:05,600 --> 00:28:13,600

Carrie, having recently injured her knee, which required an MRI scan, has found the perfect location for this test.

464

00:28:13,600 --> 00:28:15,600

3T MRI.

465

00:28:15,600 --> 00:28:21,600

Where Dr. Priest is allowing the team access to a state-of-the-art MRI scanner.

466

00:28:21,600 --> 00:28:26,600

And with Porkey the pig in position, this is the moment of truth.

467

00:28:26,600 --> 00:28:28,600

See that black spot in the middle?

468

00:28:28,600 --> 00:28:29,600

That's the chip.

469

00:28:29,600 --> 00:28:30,600

That's the chip.

470

00:28:30,600 --> 00:28:35,600

Will the RFID tag explode or be ripped out by the MRI's massive magnet?

471

00:28:35,600 --> 00:28:38,600

Or will it be the myth that's busted?

472

00:28:38,600 --> 00:28:40,600

Porkey's been in there for about 10 minutes.

473

00:28:40,600 --> 00:28:43,600

I haven't seen any movement and there definitely wasn't an explosion.

474

00:28:43,600 --> 00:28:48,600

With no sign of the ham going blam, the conclusion is obvious.

475

00:28:48,600 --> 00:28:55,600

Let's see how someone would think that if you have this RFID chip and you subject it to a strong electromagnetic field

476

00:28:55,600 --> 00:29:01,600

where it says no loose metal objects, that someone would think maybe it would explode.

477

00:29:01,600 --> 00:29:06,600

It's a glass capsule the size of a grain of rice and it does contain metal.

478

00:29:06,600 --> 00:29:07,600

We've done the test.

479

00:29:07,600 --> 00:29:10,600

No explosion and no ripping out.

480

00:29:10,600 --> 00:29:11,600

Hey!

481

00:29:11,600 --> 00:29:12,600

And it works.

482

00:29:12,600 --> 00:29:13,600

Found it.

483

00:29:13,600 --> 00:29:14,600

Alright, didn't damage it.

484

00:29:14,600 --> 00:29:19,600

The chip came through unscathed but the guys aren't ready to call it just yet.

485

00:29:19,600 --> 00:29:23,600

In order to test this right we need to put it in a real person to see if there's any movement.

486

00:29:23,600 --> 00:29:26,600

If the person feels any movement or they feel any heat.

487

00:29:26,600 --> 00:29:27,600

Yeah, got a point.

488

00:29:27,600 --> 00:29:28,600

Any takers?

489

00:29:28,600 --> 00:29:33,600

Dr. Belayche and nurse Imahara chickened out so it's all down to Carrie.

490

00:29:33,600 --> 00:29:38,600

After the anesthetic is administered, Dr. Priest inserts the RFID tag.

491

00:29:38,600 --> 00:29:43,600

With this implant, medical personnel will be able to remotely access Carrie's healthcare history.

492

00:29:43,600 --> 00:29:44,600

I feel so sci-fi.

493

00:29:44,600 --> 00:29:49,600

But will that history include an arm lost in a science experiment?

494

00:29:49,600 --> 00:29:52,600

Two days later, Carrie's arm is healed.

495

00:29:52,600 --> 00:29:54,600

Alright, blow me up, doc.

496

00:29:54,600 --> 00:30:00,600

And back at 3T MRI, Tori is predicting he'll soon have a one-armed colleague.

497

00:30:00,600 --> 00:30:05,600

So we're back, we have Carrie's chip and planet, now we're going to stick her in the MRI and we're going to see what's going to happen.

498

00:30:05,600 --> 00:30:09,600

My feeling is it's probably going to explode and she's going to lose her arm.

499

00:30:09,600 --> 00:30:11,600

I can't wait to see that.

500

00:30:11,600 --> 00:30:15,600

Despite Tori's concerns, Carrie is soon prepped and ready.

501

00:30:15,600 --> 00:30:19,600

And with the scan underway, Grant gets on the intercom to see how it's going.

502

00:30:19,600 --> 00:30:22,600

Do you feel anything in your arm?

503

00:30:22,600 --> 00:30:26,600

I'm trying to concentrate on that, I don't feel any movement.

504

00:30:26,600 --> 00:30:29,600

And that's the nail in the coffin of this myth.

505

00:30:29,600 --> 00:30:34,600

Carrie emerges with two arms and the chip's still in place and in working order.

506

00:30:36,600 --> 00:30:39,600

Alright sci-fi girl, how do you feel about this myth?

507

00:30:39,600 --> 00:30:40,600

I think it's busted.

508

00:30:40,600 --> 00:30:44,600

I agree it's busted. And MRI is not going to cause your ARFID implant to explode.

509

00:30:44,600 --> 00:30:48,600

Mind you, we did use ARFIDs that were made for human implantation.

510

00:30:48,600 --> 00:30:53,600

If you were crazy enough to cut the one out of your credit card and possibly implant it, maybe it would work then.

511

00:30:53,600 --> 00:30:56,600

You know what though, there's a lot of conspiracy theories around these ARFIDs.

512

00:30:56,600 --> 00:31:00,600

Like can you steal someone's credit card information, can you track people?

513

00:31:00,600 --> 00:31:01,600

I mean we should test these too.

514

00:31:01,600 --> 00:31:06,600

Look, I think we're already on enough government watch lists. Let's just let this one go.

515

00:31:06,600 --> 00:31:08,600

I think I agree.

516

00:31:11,600 --> 00:31:20,600

The team has been testing the thumb ripping yarn that an exploding airbag could sever your thumbs.

517

00:31:20,600 --> 00:31:25,600

And so far, it's airbag zero thumbs two.

518

00:31:27,600 --> 00:31:29,600

Well, this myth is looking pretty busted so far.

519

00:31:29,600 --> 00:31:35,600

I mean we've tried it with the thumbs tucked under and the thumbs pointed out and so far, no damage.

520

00:31:35,600 --> 00:31:40,600

Well when those airbags go off, all it's doing is pulling the arms apart and causing the hands to release.

521

00:31:40,600 --> 00:31:43,600

Those thumbs aren't even in the path of the airbags.

522

00:31:43,600 --> 00:31:50,600

Well you know when I was doing a little research for this myth, I came across this article where a woman who was holding her steering wheel

523

00:31:50,600 --> 00:31:57,600

sort of like that had her thumbs directly over the airbag and when it deployed, it nearly severed her thumbs off.

524

00:31:57,600 --> 00:32:00,600

So she was holding the steering wheel like this?

525

00:32:00,600 --> 00:32:02,600

That doesn't seem very logical.

526

00:32:05,600 --> 00:32:11,600

Okay, well I'm going to go ahead and make a mold of your hand in that position and we'll test that one out too.

527

00:32:11,600 --> 00:32:14,600

Now that's an enterprising idea.

528

00:32:14,600 --> 00:32:23,600

Because Tori is so very handy, and with the miracle of television, in the blink of an eye Buster has another set of hands.

529

00:32:23,600 --> 00:32:32,600

This new hand position places the thumb right over the airbag so that the seam of the airbag goes sort of like the right past the thumb.

530

00:32:32,600 --> 00:32:40,600

I think this is the only chance we have at getting the severed thumb that was all thought to be for the 10 and 2 position.

531

00:32:40,600 --> 00:32:45,600

So with the new hands in the new position, will the thumbs live long and prosper?

532

00:32:45,600 --> 00:32:50,600

Buster with hands in the universal Vulcan greeting.

533

00:32:50,600 --> 00:32:54,600

In 3, 2, 1.

534

00:32:54,600 --> 00:32:56,600

Whoa!

535

00:32:56,600 --> 00:32:58,600

Mmm, violent.

536

00:32:58,600 --> 00:33:03,600

The team goes in for a closer look and this time there's some thumb damage.

537

00:33:03,600 --> 00:33:05,600

You know what, it broke?

538

00:33:05,600 --> 00:33:10,600

The urethane bone and it's kind of ripped the thumb a little bit here.

539

00:33:10,600 --> 00:33:14,600

It didn't rip it off but it's torn it back. Ouch!

540

00:33:14,600 --> 00:33:19,600

A closer look at the high speed and it's obvious the thumbs took the full force of the airbag.

541

00:33:19,600 --> 00:33:24,600

Oh, look at that. That totally bent that thumb backwards.

542

00:33:24,600 --> 00:33:31,600

The airbag, the plastic part, that sharp edge goes right like that. It cuts into the thumb.

543

00:33:31,600 --> 00:33:39,600

Yeah. I would at least say that's probably going to be a broken thumb because that's not the real regular position for a thumb to be in.

544

00:33:39,600 --> 00:33:44,600

Buster's got some broken thumbs but what does that mean for the myth?

545

00:33:44,600 --> 00:33:50,600

Also it turns out, hold your thumbs directly over the airbag and you sustain more damage.

546

00:33:50,600 --> 00:33:57,600

I think surprise but that's not the 10-2 position and that's what this myth's about and so this one's still Buster.

547

00:33:57,600 --> 00:34:02,600

Coming up, the fastest thing on 4 wheels.

548

00:34:02,600 --> 00:34:06,600

There's a satellite radio, there's a computer. This is very primitive.

549

00:34:06,600 --> 00:34:09,600

And the team hits assassin against ammunition.

550

00:34:09,600 --> 00:34:11,600

We killed the ninja!

551

00:34:12,600 --> 00:34:18,600

For myth evolution, the ninja is making a comeback.

552

00:34:18,600 --> 00:34:24,600

The myth goes that a modern ninja can use his bare palm to deflect a speeding bullet.

553

00:34:24,600 --> 00:34:27,600

So could the shadow warrior slap a slap?

554

00:34:27,600 --> 00:34:32,600

To find out, the team are back at the range for Ninja vs. 9mm.

555

00:34:32,600 --> 00:34:34,600

Wait a fire?

556

00:34:34,600 --> 00:34:35,600

Okay.

557

00:34:35,600 --> 00:34:40,600

Swatting test in 3, 2, 1.

558

00:34:40,600 --> 00:34:42,600

Whoops! A little slow.

559

00:34:42,600 --> 00:34:43,600

Okay, that's okay.

560

00:34:43,600 --> 00:34:45,600

Just a little slow but that's good.

561

00:34:45,600 --> 00:34:51,600

The bullet was on target but the ninja's SWAT bot just wasn't quick enough to slap the slug.

562

00:34:51,600 --> 00:34:53,600

So Grant gives the bot a boost.

563

00:34:53,600 --> 00:34:55,600

The hand is still too slow.

564

00:34:55,600 --> 00:35:02,600

So we're going to up the PSI and this is way beyond reality now but it's still way beyond reality.

565

00:35:02,600 --> 00:35:07,600

And this is way beyond reality now but it's all about slapping the bullet.

566

00:35:07,600 --> 00:35:12,600

At 55 PSI, the arm will swing at more than twice human speed.

567

00:35:12,600 --> 00:35:17,600

And to make sure the SWAT bot doesn't jump the gun, they'll have to delay.

568

00:35:17,600 --> 00:35:22,600

Here we go. In 3, 2, 1.

569

00:35:22,600 --> 00:35:26,600

We killed the ninja! Ninja down!

570

00:35:26,600 --> 00:35:28,600

Something happened!

571

00:35:28,600 --> 00:35:33,600

The ninja is down but did the bot slap the bullet first?

572

00:35:33,600 --> 00:35:39,600

You know what we did hit the hand but what's interesting is the bullet still landed in the area where it's been hitting on the target.

573

00:35:39,600 --> 00:35:42,600

As if it hasn't been deflected at all, it just went straight through the hand.

574

00:35:42,600 --> 00:35:44,600

Exactly.

575

00:35:44,600 --> 00:35:49,600

It's the shot that broke the ninja's back but the hand swung too early to slap the bullet.

576

00:35:49,600 --> 00:35:52,600

For the next test, Grant dials in the timer.

577

00:35:52,600 --> 00:35:56,600

In 3, 2, 1.

578

00:35:56,600 --> 00:36:01,600

I think something might have happened. That looks like a really strange big splatter.

579

00:36:01,600 --> 00:36:05,600

Was it third time lucky? Did the SWAT bot slap the bullet?

580

00:36:05,600 --> 00:36:08,600

Oh!

581

00:36:08,600 --> 00:36:11,600

Oh look! Right there!

582

00:36:11,600 --> 00:36:13,600

That is so it!

583

00:36:13,600 --> 00:36:17,600

We have a perfect skim right across the meaty part of the hand. We definitely slapped the bullet.

584

00:36:17,600 --> 00:36:20,600

Yeah but look, there's a big hole in this ninja.

585

00:36:20,600 --> 00:36:24,600

So this ninja is still dead and it didn't deflect the bullet at all.

586

00:36:24,600 --> 00:36:27,600

One dead ninja! I think that says something right there!

587

00:36:27,600 --> 00:36:34,600

The palm slapped the slut but the hand couldn't make the bullet deviate from its deadly trajectory.

588

00:36:34,600 --> 00:36:38,600

One moment the bullet is skimming the palm, the next it's in the ninja.

589

00:36:38,600 --> 00:36:43,600

You know what, as much as I love ninjas, this one's totally busted.

590

00:36:43,600 --> 00:36:46,600

I mean there's just no way you can swat a bullet with your hand.

591

00:36:46,600 --> 00:36:51,600

I don't know but something tells me the fans are not going to be happy that we busted this without a real ninja.

592

00:36:51,600 --> 00:36:54,600

Okay fine, then here's an open invitation.

593

00:36:54,600 --> 00:37:00,600

If you happen to be a ninja and you can swat away a bullet with your bare hand, please come down to MythBusters and we'll put you on TV.

594

00:37:00,600 --> 00:37:04,600

That would be cool, we could like shoot at them and see if they can swat the bullets.

595

00:37:04,600 --> 00:37:08,600

No, that's a bad idea. That's a very bad idea.

596

00:37:22,600 --> 00:37:30,600

And for the grand Myth Evolution finale, it's on your marks, jet set, go!

597

00:37:30,600 --> 00:37:32,600

Dude, that was like getting punched in the chest!

598

00:37:39,600 --> 00:37:44,600

It's Myth Evolution and the boys have been revisiting Beat the Speed camera.

599

00:37:44,600 --> 00:37:47,600

They busted the plate blockers once again.

600

00:37:47,600 --> 00:37:53,600

But there's still one problem that the fans won't address and that is speed.

601

00:37:53,600 --> 00:37:57,600

We're still getting mail that says you can beat the speed camera through speed alone.

602

00:37:57,600 --> 00:37:59,600

Yeah, I heard that a car show in the UK did it.

603

00:37:59,600 --> 00:38:03,600

Yeah, they did it at 180 miles per hour.

604

00:38:03,600 --> 00:38:04,600

Wow.

605

00:38:04,600 --> 00:38:06,600

Yeah, but the law in the US and the UK is different.

606

00:38:06,600 --> 00:38:12,600

In the UK, the cameras required to take two pictures of the car in order to issue a ticket.

607

00:38:12,600 --> 00:38:19,600

Nope, here in the US you only need one photo and so that actually makes it harder to beat the speed camera with speed alone.

608

00:38:19,600 --> 00:38:25,600

Yeah, apparently the camera that we're using has been tested to speeds up to 200 miles per hour successfully.

609

00:38:25,600 --> 00:38:29,600

Where are we going to get a car that goes over 200 miles an hour?

610

00:38:29,600 --> 00:38:30,600

I wonder.

611

00:38:31,600 --> 00:38:34,600

Fortunately, the team don't have to look very far.

612

00:38:34,600 --> 00:38:36,600

Introducing the Beast.

613

00:38:36,600 --> 00:38:41,600

Weighing in at 2400 pounds at it over 19 feet long.

614

00:38:41,600 --> 00:38:43,600

This is no ordinary car.

615

00:38:43,600 --> 00:38:50,600

This beast can reach speeds of up to 300 miles per hour.

616

00:38:50,600 --> 00:38:53,600

This thing is beautiful.

617

00:38:53,600 --> 00:38:56,600

I think I'm going to cry.

618

00:38:56,600 --> 00:38:58,600

It's an engine with a chair on it.

619

00:38:58,600 --> 00:39:00,600

It is, it's, it's, yeah.

620

00:39:00,600 --> 00:39:02,600

The wheels are kind of like beside the point.

621

00:39:02,600 --> 00:39:03,600

Totally ancillary.

622

00:39:03,600 --> 00:39:06,600

And the man in the helmet is Jeff Atanian.

623

00:39:06,600 --> 00:39:12,600

With over 30 years of drag racing experience, he's the right man with the perfect car.

624

00:39:12,600 --> 00:39:17,600

If anything can beat the speed camera with speed, this is it.

625

00:39:17,600 --> 00:39:21,600

The beast is in position and the speed camera is set.

626

00:39:21,600 --> 00:39:24,600

Gentlemen, start your jet engines.

627

00:39:29,600 --> 00:39:30,600

I think he's got a warm up.

628

00:39:30,600 --> 00:39:31,600

Oh, whoa, here.

629

00:39:31,600 --> 00:39:32,600

There you go.

630

00:39:34,600 --> 00:39:40,600

The beast hurdles down the strip, only slowing once its two 16 foot parachutes are deployed.

631

00:39:44,600 --> 00:39:46,600

Dude, that was like getting punched in the chest.

632

00:39:46,600 --> 00:39:50,600

Oh my God, I can't wait to find out if that was a ticket.

633

00:39:50,600 --> 00:39:52,600

It's the moment of truth.

634

00:39:52,600 --> 00:39:53,600

No picture.

635

00:39:53,600 --> 00:39:54,600

No picture.

636

00:39:54,600 --> 00:39:55,600

No.

637

00:39:55,600 --> 00:39:56,600

So the car didn't trip the camera.

638

00:39:56,600 --> 00:39:57,600

That means there's no ticket.

639

00:39:57,600 --> 00:39:58,600

No ticket.

640

00:39:58,600 --> 00:39:59,600

No ticket.

641

00:40:00,600 --> 00:40:02,600

We found the speed.

642

00:40:02,600 --> 00:40:08,600

So the system was working properly, but the car was going too fast for the sensors to pick it up.

643

00:40:08,600 --> 00:40:10,600

There was not enough to trigger the camera.

644

00:40:10,600 --> 00:40:17,600

So there you have it, a massive 245 miles an hour and you can beat the speed camera.

645

00:40:17,600 --> 00:40:21,600

Something tells me though there'd be a lot of other signs that someone was breaking the speed limit.

646

00:40:21,600 --> 00:40:28,600

I don't know, the broken windows in the neighborhood, all the people with hearing damage bleeding from their ears, running to the hospital.

647

00:40:28,600 --> 00:40:30,600

Let's see all the houses on fire.

648

00:40:32,600 --> 00:40:38,600

Something tells me, and when you came upon a car like the beast, you'd think, this is a likely candidate.

649

00:40:41,600 --> 00:40:47,600

A likely candidate indeed, but unfortunately a jet-propelled car does have its drawbacks.

650

00:40:47,600 --> 00:40:51,600

But as a satellite radio, as a comp holder, this is very primitive.

651

00:40:52,600 --> 00:40:55,600

It may be primitive, but it got away scot-free.

652

00:40:55,600 --> 00:40:59,600

Although Adam Tuton is still thinking he can catch it.

653

00:40:59,600 --> 00:41:03,600

With a few tweaks to the camera, will he be able to book the beast?

654

00:41:03,600 --> 00:41:06,600

Time for take two.

655

00:41:06,600 --> 00:41:07,600

Wow!

656

00:41:09,600 --> 00:41:10,600

That's on purpose.

657

00:41:10,600 --> 00:41:13,600

That's what's supposed to happen.

658

00:41:16,600 --> 00:41:19,600

Jeff unleashes the beast once again.

659

00:41:22,600 --> 00:41:26,600

I swear he was going faster that time.

660

00:41:26,600 --> 00:41:27,600

I think so.

661

00:41:27,600 --> 00:41:30,600

I feel like it's going to be even faster.

662

00:41:30,600 --> 00:41:33,600

It probably was, but we'll never know for sure.

663

00:41:33,600 --> 00:41:35,600

Unfortunately for Adam Tuton,

664

00:41:35,600 --> 00:41:38,600

No picture, no ticket, end of story.

665

00:41:38,600 --> 00:41:41,600

The speed camera missed the beast entirely.

666

00:41:41,600 --> 00:41:48,600

That thing was going so fast, that beast thing there, that it was in and out of the range of the camera before it knew what was going on.

667

00:41:48,600 --> 00:41:49,600

It was like it wasn't there.

668

00:41:49,600 --> 00:41:52,600

Practically speaking, of course it's not happening.

669

00:41:52,600 --> 00:42:01,600

You're not driving a car with a rocket engine or a jet engine or, you know, afterburners or anything like that on the highway.

670

00:42:01,600 --> 00:42:05,600

So, you might as well forget about it, but it is possible.

671

00:42:12,600 --> 00:42:14,600

Pure raw, unadulterated speed.

672

00:42:14,600 --> 00:42:17,600

Rocket power, jet power, and possibly loud speed.

673

00:42:17,600 --> 00:42:22,600

Yeah, give or take two, three hundred miles an hour, you can be speed camera.

674

00:42:22,600 --> 00:42:25,600

Yeah, however ungainly the solution is, we made it happen.

675

00:42:25,600 --> 00:42:26,600

I think our work here is done.

676

00:42:26,600 --> 00:42:27,600

Okay, let's get out of here.

677

00:42:31,600 --> 00:42:33,600

You guys, the beast was amazing.

678

00:42:33,600 --> 00:42:34,600

Yeah, but can you even call that a car?

679

00:42:34,600 --> 00:42:36,600

Well, it did have four wheels and a driver.

680

00:42:36,600 --> 00:42:39,600

Yeah, but I think our fans are going to have something to say about that.

681

00:42:39,600 --> 00:42:43,600

At least this time, I don't think they can say that we didn't give it our best.

682

00:42:43,600 --> 00:42:49,600

You know what though, I bet a lot of the fans are coming up with new myths about speed just so they can see that beast one more time.

683

00:42:49,600 --> 00:42:52,600

Yeah, well, if you've got any ideas for us, you know the drill.

684

00:42:52,600 --> 00:42:56,600

Log on to Discovery.com slash MythBusters and let us know.